



Proposal Response for
**IDIQ Contract for
Professional Boundary Surveying
Services, Districts 02, 61 and 62**
Contract No. 4400027919

October 12, 2023



LOWE
ENGINEERS

DOTD FORM: 24-102

(Revised January 1, 2023)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

1. Contract Name as shown in the advertisement	IDIQ Contract for Professional Boundary Surveying Services, Districts 02, 61, and 62
2. Contract Number(s) as shown in the advertisement	4400027919
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	Lowe Engineers, LLC
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	VF. 0000567
6. Prime consultant mailing address	1011 North Causeway Boulevard, Suite 34, Mandeville, LA 70471
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1011 North Causeway Boulevard, Suite 34, Mandeville, LA 70471
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Josh Daniel, PLS, Partner Phone: 985.809.4109 josh.daniel@loweengineers.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Josh Daniel, PLS, Partner Phone: 985.809.4109 josh.daniel@loweengineers.com

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.



Signature above shall be the same person listed in Section 9:

October 12, 2023

Date:

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.

Firm(s):

N/A

Firm(s)' %:

12. Past Performance Evaluation Discipline Table:

Sub-Consultants are not allowed to be used for this proposal. Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 18 of the DOTD Form 24-102*, and the percentage of work in each past performance evaluation discipline to be performed. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. (Add rows as needed.)

Past Performance Evaluation Discipline(s)	% of Overall Contract
Survey	70%
Data Collection	25%
Right-of-Way	5%

13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify “Other (please specify)” and include the classification title inside the parentheses.

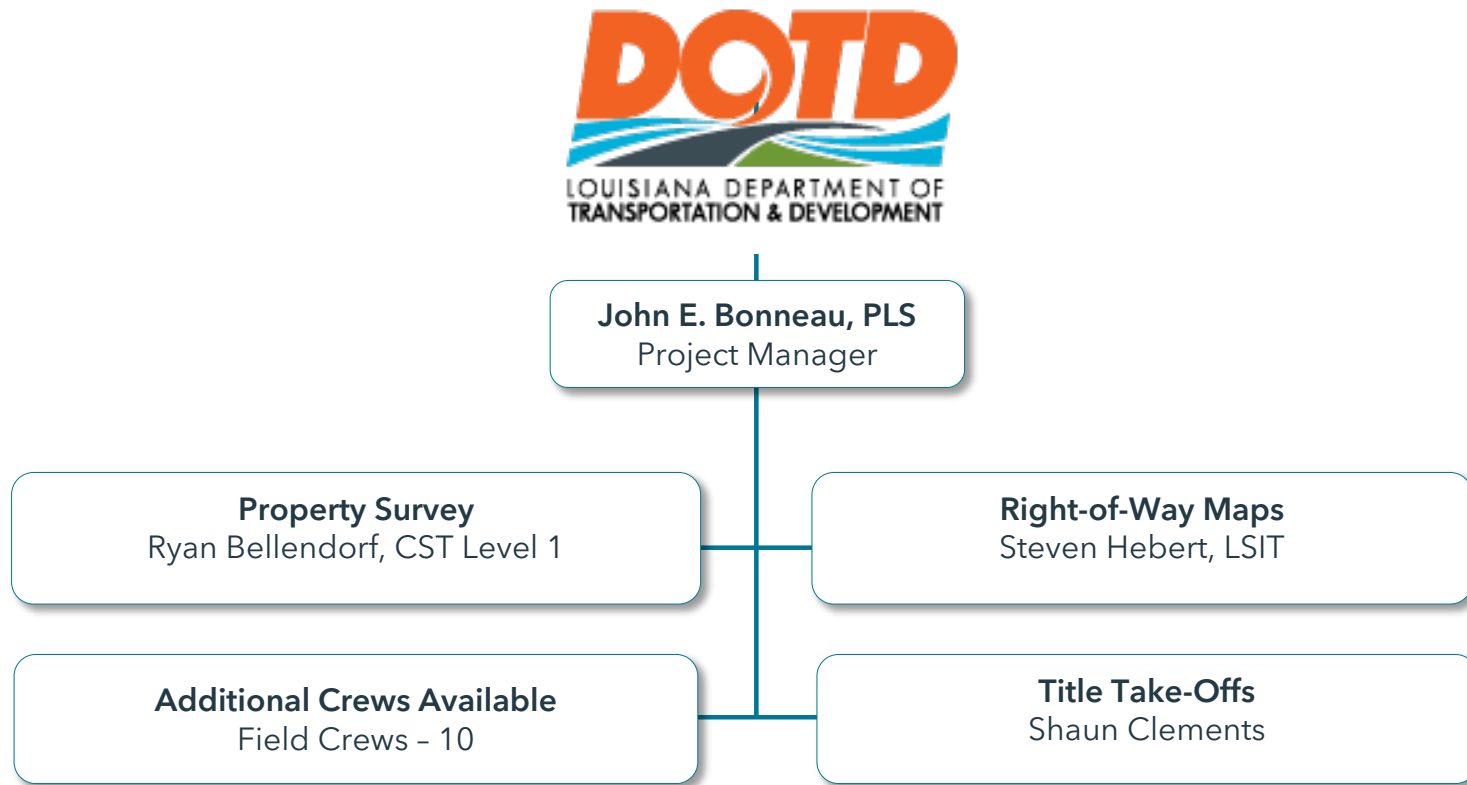
The DOTD Job Classification(s) to be used can be found at the following link:

http://www.sp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Low Engineers, LLC	Abstractor	1	4
Low Engineers, LLC	CADD Drafter	1	20
Low Engineers, LLC	CADD Technician	1	20
Low Engineers, LLC	CADD Operator	1	10
Low Engineers, LLC	Clerical	1	5
Low Engineers, LLC	Drafter	1	5
Low Engineers, LLC	GIS Analyst	1	15
Low Engineers, LLC	Instrument Man	5	15
Low Engineers, LLC	Party Chief	5	15
Low Engineers, LLC	Principal	1	10
Low Engineers, LLC	Professional	2	10
Low Engineers, LLC	Rodman	5	10
Low Engineers, LLC	Surveyor	2	4
Low Engineers, LLC	Technician	2	10

14. Organizational Chart:

Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual’s role does not necessarily have to match their DOTD job classification identified in Section 13. **If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.** It is acceptable to use an 11x17 format for Section 14.



15. Minimum Personnel Requirements:

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that MPR.

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	John Bonneau, PLS	Lowe Engineers, LLC	PLS No. 4423	LA	03/31/2025
2	John Bonneau, PLS	Lowe Engineers, LLC	PLS No. 4423	LA	03/31/2025

16. Staff Experience:


Firm employed by Low Engineers, LLC		Meets both Minimum Personnel Requirements		
Name	John E. Bonneau, PLS		Years of relevant experience with this employer	5
Title	Professional Land Surveyor		Years of relevant experience with other employer(s)	38
Degree(s) / Years / Specialization			BS, Civil Engineering - Louisiana Tech University, 1976 AS, Land Surveying - Louisiana Tech University, 1974	
Active registration number / state / expiration date			No. 4423 / LA / Expires 03/31/2025	
Year registered	1980	Discipline	PLS	
Contract role(s) / brief description of responsibilities		Project Manager - Responsible for management and oversight of survey standards compliance, quality assurance, and assistance with data analysis, as well as keeping projects on time and on budget.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/23 - 03/23	<p>Honeysuckle Road Right-of-Way Maps - Bush, LA</p> <p>Project Manager - A boundary and topographic survey along the existing Honeysuckle Road between Louisiana State Highway 1081(Ben Williams Road) westerly to the end of the parish-maintained road. All applicable parcels were surveyed along with the roadways and ditches shown to determine the proposed right-of-way creation. Once the boundary was established, the new right-of-way lines were created, and right-of-way maps were produced. In addition to the plats, legal descriptions were created.</p>			
06/23 - 07/23	<p>South Military Road / US 190 Water Main Project Boundary Survey - Slidell, LA</p> <p>Project Manager - Lowe Engineers was tasked with a boundary and topographic survey of several sections of parish and state roadways. The project consisted of 15,000 linear feet of topo for the purpose of aiding the design team for creating a watermain along the corridor. The boundary was located to produce right-of-ways for the roads to ensure the water main stayed within the road right-of-ways. Plats were created on 24"x36" sheets.</p>			
10/21 - 02/22	<p>Safe Haven Facility Rehabilitation Topographic Survey - Mandeville, LA</p> <p>Project Manager - The scope of the work was to perform a topographic survey along all roadways within the Safe Haven facility. The survey included all substantial improvements, utilities (aboveground and underground), major trees, and cross-sections at 50' intervals. The design team also required Lowe to chase out drainage to adjoining outfall ditches. Lowe deployed its SUE team to the site to scan and mark underground utilities, which were then plotted in a fully functional 3D drawing.</p>			
01/20 - 03/20	<p>Third Avenue Bridge Replacement Boundary Survey - Covington, LA</p> <p>Project Manager - The scope of work included performing an abstract of the impacted properties, boundary survey, and topographic survey of Third Avenue, and its neighboring parcels, from the northern edge of the subdivision to a point 500 feet east of Janice Avenue. After the boundary and topographic data was collected,</p>			

John E. Bonneau, PLS, contd.

	right-of-way maps and legal descriptions were prepared for acquisition purposes. Once the land was transferred, half-inch iron rods were placed to mark the new right-of-way for Third Avenue.
01/19 - 05/20	<p>Interconnector Road Right-of-Way Maps - Madisonville, LA</p> <p>Project Manager - Lowe Engineers was tasked to be a part of the new road construction between Ochsner Boulevard and Louisiana State Highway 1077 to alleviate traffic issues. The scope of work was to abstract the adjoining landowner parcels and locate the boundary lines. After the boundary was created, Lowe was then tasked to create a topographic map of the proposed corridor for the civil engineer to design the roadway. Once the design was completed, Lowe was tasked to create right-of-way maps for acquisition and title takings. These maps included a road alignment for station and offset as well as legal descriptions of the portions of land being purchased by St. Tammany Parish Government.</p>
03/16 - 09/19	<p>Ochsner Boulevard Extension Right-of-Way and Topographic Survey - Mandeville, LA</p> <p>Project Manager - Right-of-way acquisition plat and topographic survey required to acquire the right-of-ways to construct the proposed connector road extending from the existing Ochsner Blvd extension to Louisiana Hwy 1077 in unincorporated St. Tammany Parish. This project included data collection in the form of title research as well as surveying services necessary to identify the right-of-way.</p>

Firm employed by Low Engineers, LLC	
Name	Ryan Bellendorf, CST Level I
Title	Field Coordinator
Degree(s) / Years / Specialization	High School Diploma, Covington High School, 2007
Active registration number / state / expiration date	NSPS-Certified Survey Technician, Level 1 / Nationwide / Expires 06/30/2024
Year registered	N/A
Discipline	N/A
Contract role(s) / brief description of responsibilities	Field Coordinator - Responsible for hydrographic survey planning, field procedures, reconnaissance, and data evaluation. Collects field data via robotic and GPS methods.
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/23 - 03/23	Honeysuckle Road Right-of-Way Maps - Bush, LA Field Coordinator - A boundary and topographic survey along the existing Honeysuckle Road between Louisiana State Highway 1081(Ben Williams Road) westerly to the end of the parish-maintained road. All applicable parcels were surveyed along with the roadways and ditches shown to determine the proposed right-of-way creation. Once the boundary was established, the new right-of-way lines were created, and right-of-way maps were produced. In addition to the plats, legal descriptions were created.
06/23 - 07/23	South Military Road / US 190 Water Main Project Boundary Survey - Slidell, LA Field Coordinator - Lowe Engineers was tasked with a boundary and topographic survey of several sections of parish and state roadways. The project consisted of 15,000 linear feet of topo for the purpose of aiding the design team for creating a watermain along the corridor. The boundary was located to produce right-of-ways for the roads to ensure the water main stayed within the road right-of-ways. Plats were created on 24"x36" sheets.
10/21 - 02/22	Safe Haven Facility Rehabilitation Topographic Survey - Mandeville, LA Field Coordinator - The scope of the work was to perform a topographic survey along all roadways within the Safe Haven facility. The survey included all substantial improvements, utilities (aboveground and underground), major trees, and cross-sections at 50' intervals. The design team also required Lowe to chase out drainage to adjoining outfall ditches. Lowe deployed its SUE team to the site to scan and mark underground utilities, which were then plotted in a fully functional 3D drawing.
01/20 - 03/20	Third Avenue Bridge Replacement Boundary Survey - Covington, LA Field Coordinator - The scope of work included performing an abstract of the impacted properties, boundary survey, and topographic survey of Third Avenue, and its neighboring parcels, from the northern edge of the subdivision to a point 500 feet east of Janice Avenue. After the boundary and topographic data was collected, right-of-way maps and legal descriptions were prepared for acquisition purposes. Once the land was transferred, half-inch iron rods were placed to mark the new right-of-way for Third Avenue.

Firm employed by Low Engineers, LLC			
Name	Steven Hebert, LSIT, CST Level I	Years of relevant experience with this employer	5
Title	Land Surveyor in Training	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		BS, General Studies - Southeastern Louisiana University, 2015 30 Hours Surveying Courses - University of Wyoming, 2018 Certified Draftsman - Delgado Community College, New Orleans	
Active registration number / state / expiration date	No. 0000733 / LA / Expires 09/30/2024 NSPS-Certified Survey Technician, Level 1 / Nationwide / Expires 06/30/2024		
Year registered	2022	Discipline	LSIT
Contract role(s) / brief description of responsibilities	Right-of-Way (ROW) Specialist - Responsible for management of data analysis and maps that clearly illustrate right-of-way easements.		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
01/23 - 03/23	Honeysuckle Road Right-of-Way Maps - Bush, LA ROW Specialist - A boundary and topographic survey along the existing Honeysuckle Road between Louisiana State Highway 1081(Ben Williams Road) westerly to the end of the parish-maintained road. All applicable parcels were surveyed along with the roadways and ditches shown to determine the proposed right-of-way creation. Once the boundary was established, the new right-of-way lines were created, and right-of-way maps were produced. In addition to the plats, legal descriptions were created.		
06/23 - 07/23	South Military Road / US 190 Water Main Project Boundary Survey - Slidell, LA ROW Specialist - Lowe Engineers was tasked with a boundary and topographic survey of several sections of parish and state roadways. The project consisted of 15,000 linear feet of topo for the purpose of aiding the design team for creating a watermain along the corridor. The boundary was located to produce right-of-ways for the roads to ensure the water main stayed within the road right-of-ways. Plats were created on 24"x36" sheets.		
10/21 - 02/22	Safe Haven Facility Rehabilitation Topographic Survey - Mandeville, LA ROW Specialist - The scope of the work was to perform a topographic survey along all roadways within the Safe Haven facility. The survey included all substantial improvements, utilities (aboveground and underground), major trees, and cross-sections at 50' intervals. The design team also required Lowe to chase out drainage to adjoining outfall ditches. Lowe deployed its SUE team to the site to scan and mark underground utilities, which were then plotted in a fully functional 3D drawing.		
01/19 - 05/20	Interconnector Road Right-of-Way Maps - Madisonville, LA ROW Specialist - The scope of work was to abstract the adjoining landowner parcels and locate the boundary lines. Lowe then created a topographic map of the proposed corridor for the civil engineer. Once completed, Lowe created right-of-way maps for acquisition and title takings. Maps included a road alignment and offset with legal descriptions.		

Firm employed by		Low Engineers, LLC		
Name	Shaun Clements		Years of relevant experience with this employer	1
Title	Title Take-Off Coordinator		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			AS, Applied Science Computer Drafting and Design - ITT Technical Institute, 2015	
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Title Take-Off Coordinator - Responsible for title research, processing, and reporting.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/23 - 03/23	<p>Honeysuckle Road Right-of-Way Maps - Bush, LA</p> <p>Title Take-Off Coordinator - A boundary and topographic survey along the existing Honeysuckle Road between Louisiana State Highway 1081(Ben Williams Road) westerly to the end of the parish-maintained road. All applicable parcels were surveyed along with the roadways and ditches shown to determine the proposed right-of-way creation. Once the boundary was established, the new right-of-way lines were created, and right-of-way maps were produced. In addition to the plats, legal descriptions were created.</p>			
06/23 - 07/23	<p>South Military Road / US 190 Water Main Project Boundary Survey - Slidell, LA</p> <p>Title Take-Off Coordinator - Lowe Engineers was tasked with a boundary and topographic survey of several sections of parish and state roadways. The project consisted of 15,000 linear feet of topo for the purpose of aiding the design team for creating a watermain along the corridor. The boundary was located to produce right-of-ways for the roads to ensure the water main stayed within the road right-of-ways. Plats were created on 24"x36" sheets.</p>			

17. Firm Experience:

Firm name	Lowe Engineers, LLC		Past Performance Evaluation Discipline(s)*	Survey
Project name	Honeysuckle Road Right-of-Way Map Boundary Survey		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	St. Tammany Parish Government	
Project location	Bush, LA	Owner's Project Manager	Tania Miller	
Owner's address, phone, email	21454 Koop Drive, Mandeville, LA 70471, 985.898.2557, TAMiller@stpgov.org			
Services commenced by this firm (mm/yy)	01/23	Total consultant contract cost (\$1,000's)	\$17,600	
Services completed by this firm (mm/yy)	03/23	Cost of consultant services provided by this firm (\$1,000's)	\$17,600	

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Lowe Engineers was tasked to perform a boundary and topographic survey along the existing Honeysuckle Road between Louisiana State Highway 1081(Ben Williams Road) westerly to the end of the parish-maintained road in Bush, LA. The St. Tammany Parish right-of-way specialist required the impacted parcels to be surveyed, including the ditches shown to determine the proposed right-of-way creation. Once the boundary was established, the new right-of-way lines were created, and right-of-way maps were produced. In addition to the plats, legal descriptions were created.

The project was completed on time and within budget.



Team Members Involved: John Bonneau, PLS, Ryan Bellendorf, Steven Hebert, LSIT, Shaun Clements

Firm name	Lowe Engineers, LLC	Past Performance Evaluation Discipline(s)*	Survey
Project name	South Military Road / US 190 Water Main Project	Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	St. Tammany Parish Department of Utilities
Project location	Slidell, LA	Owner's Project Manager	Bob Moeinian
Owner's address, phone, email	620 N. Tyler Street, Covington, LA 70433, 985.893.1717, bmoeinian@stpgov.org		
Services commenced by this firm (mm/yy)	06/23	Total consultant contract cost (\$1,000's)	\$59,750
Services completed by this firm (mm/yy)	07/23	Cost of consultant services provided by this firm (\$1,000's)	\$59,750

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Low Engineers was tasked with a boundary and topographic survey of several sections of parish and state roadways in Slidell, LA. The project consisted of 15,000 feet of corridor topographic survey efforts to aid the civil engineers in designing a watermain within the roadways' existing right-of-way. Deed research was performed online and in the courthouse. Field efforts then began on performing the required boundary survey to produce the right-of-way boundaries for the affected roads to ensure that the proposed watermain remained within the existing road right-of-ways. CAD technicians managed the daily importation of datasets for the field crews to produce an "existing conditions" drawing to provide to the engineers at the St. Tammany Parish Department of Utilities.



The project was completed on time and under budget.



Team Members Involved: John Bonneau, PLS, Ryan Bellendorf, Steven Hebert, LSIT, Shaun Clements

Firm name	Lowe Engineers, LLC		Past Performance Evaluation Discipline(s)*	Survey
Project name	Safe Haven Facility Rehabilitation Topographic Survey		Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	St. Tammany Parish Government	
Project location	Mandeville, LA	Owner's Project Manager	Daniel Hill	
Owner's address, phone, email	21490 Koop Drive, Mandeville, LA 70471, 985.898.2700, DPHill@stpgov.org			
Services commenced by this firm (mm/yy)	10/21	Total consultant contract cost (\$1,000's)	\$67,250	
Services completed by this firm (mm/yy)	02/22	Cost of consultant services provided by this firm (\$1,000's)	\$67,250	

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Lowe Engineers was tasked to be a part of the team responsible for the Safe Haven Rehabilitation project located on the north side of US Highway 190 in Mandeville, Louisiana. The scope included performing a topographic survey along all roadways within the Safe Haven facility, which is approximately 158 acres. The topography was to include all substantial improvements, utilities (above-ground and underground), major trees, and cross sections at 50' intervals. The design team also required Lowe to continue topographic efforts to the adjoining outfall ditches to better understand the watershed in the area of the survey.

Lowe's subsurface utility engineering (SUE) team mobilized to the site to locate underground utilities. Each day's data was sent to the office for processing, importing, and ultimately plotting in an AutoCAD Civil 3D drawing. Some of the unique characteristics of this project were the drainage structures and it's culverts which were built and installed in the 1950s. Measuring the inverts was a challenge as the drainage structures were failing and falling apart. Our team persevered and overcame this hurdle by coordinating with the site utility manager, who shared his original utility plans with Lowe. With this newly acquired information, Lowe was able to complete the project.

The project was completed on time and within budget.



Team Members Involved: John Bonneau, PLS, Ryan Bellendorf, Steven Hebert, LSIT

Firm name	Lowe Engineers, LLC		Past Performance Evaluation Discipline(s)*	Survey
Project name	Third Avenue Bridge Replacement Boundary Survey		Firm responsibility (prime or sub?)	Prime
Project number	EN15000018	Owner's name	St. Tammany Parish Government	
Project location	Covington, LA	Owner's Project Manager	Jason Cambre	
Owner's address, phone, email	21490 Koop Drive, Mandeville, LA 70471, 985.898.2700, JPCambre@stpgov.org			
Services commenced by this firm (mm/yy)	01/20	Total consultant contract cost (\$1,000's)	\$14,045	
Services completed by this firm (mm/yy)	03/20	Cost of consultant services provided by this firm (\$1,000's)	\$14,045	

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Lowe was tasked with being a part of the widening of Third Avenue for a future bridge replacement. The scope of work included extensive deed research of the 13 impacted properties, boundary survey, and topographic survey of Third Avenue, and its neighboring parcels, from the northern edge of the subdivision to a point 500 feet east of Janice Avenue. After the initial boundary and topographic data was collected, right-of-way maps and legal descriptions were prepared for title taking purposes. Once the land was transferred, half-inch iron rods were placed to mark the new right-of-way for Third Avenue.

Project was completed on time and within budget.

BONUS: In 2022, a construction company tasked Lowe Engineers with performing construction stakeout for the new bridge on Third Avenue. The construction stakeout included benchmarks, baseline, remarking the new right-of-way, limits of construction, pile caps, the new approach to the bridge, and a final as-built plat. All construction was staked with grades for the contractor. The cost of the stakeout was \$10,465. Project was completed on time and within budget.



Team Members Involved: John Bonneau, PLS, Ryan Bellendorf, Steven Hebert, LSIT

Firm name	Lowe Engineers, LLC		Past Performance Evaluation Discipline(s)*	Survey
Project name	Interconnector Road Right-of-Way Map		Firm responsibility (prime or sub?)	Sub
Project number	2013-EN-0007	Owner's name	St. Tammany Parish Government	
Project location	Covington, LA	Owner's Project Manager	Daniel Hill	
Owner's address, phone, email	21490 Koop Drive, Mandeville, LA 70471, 985.898.2700, DPHill@stpgov.org			
Services commenced by this firm (mm/yy)	01/19	Total consultant contract cost (\$1,000's)	\$65,350	
Services completed by this firm (mm/yy)	05/20	Cost of consultant services provided by this firm (\$1,000's)	\$65,350	

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Lowe Engineers was tasked to be a part of the new road construction with various parcels between Ochsner Boulevard and Louisiana State Highway 1077 to alleviate traffic issues. The scope of work was to provide abstract services for the adjoining landowner parcels and locate the boundary lines of each. After the boundary was completed, Lowe was then tasked to create a topographic map of the proposed corridor for the civil engineer to design viable roadway improvements. Once the design was completed, Lowe was tasked to create right-of-way maps for acquisition and title takings. These maps included a road alignment for station and offset as well as legal descriptions of the portions of land being purchased by St. Tammany Parish Government.

Some of the challenges faced on this project were navigating through dense vegetation to find and locate the boundary lines and keeping the projects control points stable due to flooding in the area from a free flowing well. Our survey team overcame these issues by using different methods of clearing the lines such as chainsaws and pole saws. For the issues faced regarding the control points, the survey team found alternative locations for the control points to remain undisturbed and stable.

The project was completed on time and within the budget.

Team Members Involved: John Bonneau, PLS, Ryan Bellendorf, Steven Hebert, LSIT



18. Approach and Methodology:

INTRODUCTION

Lowe Engineers, LLC (Lowe), a Service-Disabled Veteran-Owned Small Business, operates two offices in Louisiana, in Mandeville and Scott. This allows our survey crews to mobilize anywhere in the state for a boundary survey within hours of receiving a notice to do so. Our longstanding survey experience along with our staffs' qualifications and understanding of the expectations of the LA DOTD allows us to provide quality and timely work. We are familiar with applicable training requirements.

Our office located at 1011 North Causeway Boulevard in Mandeville will be the office performing the services described in this solicitation. Our background performing boundary, right-of-way, and topographic surveys, and setting horizontal and vertical control is extensive. LA DOTD can be assured that subsequent task orders will be allotted with the management warranted to provide a deliverable on-schedule, correct the first time, and within the agreed upon fee.

Our survey teams are equipped with state-of-the-art equipment to perform accurately and efficiently. Standard equipment includes, but is not limited to, robotic total-stations, GPS (RTK/Static) receivers, digital data collectors, and digital levels. Some of the less-traditional equipment that our survey crews have are sUAS (drones), terrestrial and mobile LiDAR scanners, and land-based magnetometers. Given the topography and conditions of South Louisiana, our crews have access to boats, airboats, and marsh buggies some projects may require. Whatever hurdles a project may present, our survey crews and management staff are accustomed to and equipped to address the wide range of work environments across the state.

PAST PERFORMANCE

Lowe has multiple decades' of experience surveying in south-Louisiana providing the DOTD an advantage with relationships established over those years. Our staff have more than 50 years of work in Louisiana on government, both federal and state, as well as private clients. We pride ourselves on being a company that provides our clients with high quality deliverables in the most timely and efficient manner possible. We have held multiple contracts with the Coastal Protection and Restoration Authority (CPRA) and the US Army Corps of Engineers New Orleans District, providing our crews with experience working in the terrain and intimate knowledge of the region, including its roads, rivers, lakes, and bayous. We are currently under contract with local municipalities providing our survey crews and managers.

CAPACITY

Our Project Manager, John Bonneau, PLS has over 40 years of land surveying experience, 30 of which have been performed as a Professional Land Surveyor in the State of Louisiana. His experience includes a diverse list of clients throughout the US and particularly Louisiana. He has performed and prepared surveys of all kinds, including boundary, right-of-way, topographic,

hydrographic, and utilities surveys. His background as both a Project Manager and Professional Land Surveyor makes him uniquely qualified to manage this program. Personnel assigned to this contract possess over a century of collective surveying experience. Moreover, we have an additional 10 field crews from which we can augment the proposed team, if necessary.

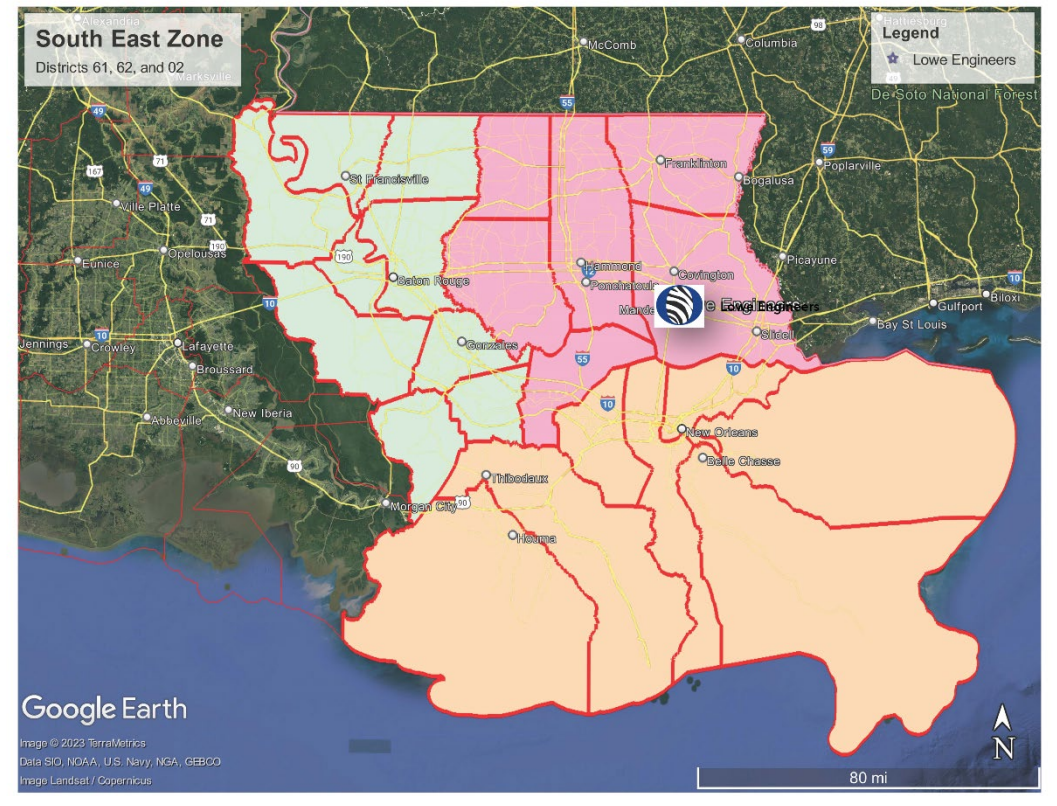
OUR COMMITMENT

Lowé is dedicated to delivering best-value services and solutions based on innovative applications of science and technology. We have an uncompromising commitment to providing high-quality technical services. Our clients value these standards and our level of service. We have the technical skills, management structure, resources, equipment, and expertise in best practices to carry out our commitment.

Our objective is to build a positive and responsive working relationship with each of our clients. These relationships are built around three principles: Quality, Integrity, and Professionalism. Our core values further include going the extra mile for our clients, loyalty to those we work with, positive relationships, doing what we say we are going to do, and believing in the glass being half-full.

PROPERTY SURVEYS

In the case of property and right-of-way surveys, upon mobilization to a project site, survey crews begin the process of establishing controls to delineate property lines and/or delineate between public right-of-way and privately-owned property. Lowé uses conventional and digital levels on all projects. Our initial setup consists of a minimum 2-hour static session (some projects require 8-hour sessions) and 1,000 epochs on several control points throughout the job site. Where appropriate, Lowé also sets grades for all gutter stakes and sets benchmarks for the contractor. We then run a conventional level loop through our control points, setting temporary or permanent benchmarks depending on the scope of work. We close on every control point as well as the entire leveled loop. All deliverables are submitted according to the file formats laid out in the RFP.



RIGHT-OF-WAY MAPS

Lowe has decades of experience analyzing field data. Our field crews and office staff translate surveying and geospatial data to support mapping, GIS, and database administration, analysis, visualization, and presentation. Given the extent of Lowe expertise, we can present digital and hardcopy maps as required by the client. We regularly develop maps, geospatial dashboards, and other web-based content that provides real-time and interactive digital insight. Similarly, we use the latest GIS software and platforms and possess the full suite of ESRI products and tools to provide analytical and digital products. These tools are further coupled, as required, with AutoCAD and Bentley suites of software as well as Microsoft Azure, Adobe PDF, AWS, Oracle Spatial, MicroStation, Inroads, Open Roads, AutoCAD Civil 3D, Global Mapper, and Leica Infinity, and SQL Server. Our team of experienced CAD technicians is experienced in the most recent software. We can input field information into multiple platforms to create base drawings for many kinds of projects.

If necessary, Lowe's expertise further includes reduction of drone-based aerial imagery and LiDAR from terrestrial, mobile, and aerial platforms. This data can produce very fine-detailed drawings and eliminates the need for return field visits to collect missing information. This is coupled with a multi-step process of quality control and assurance to ensure we deliver a quality product.

Each right-of-way map will show the adopted project centerline, existing right-of-way, construction limits, relevant topography, parcel line ownerships and locations, as well as required taking lines. Importantly, all work is in full compliance with appropriate principles and objectives set forth in the latest issue of LA DOTD's Location and Survey Manual Addendum A. When all issues have been edited, final drawings and maps are prepared and reviewed by the Professional Land Surveyor. If acceptable, they are stamped and delivered along with the electronic files to the client for final review and acceptance.

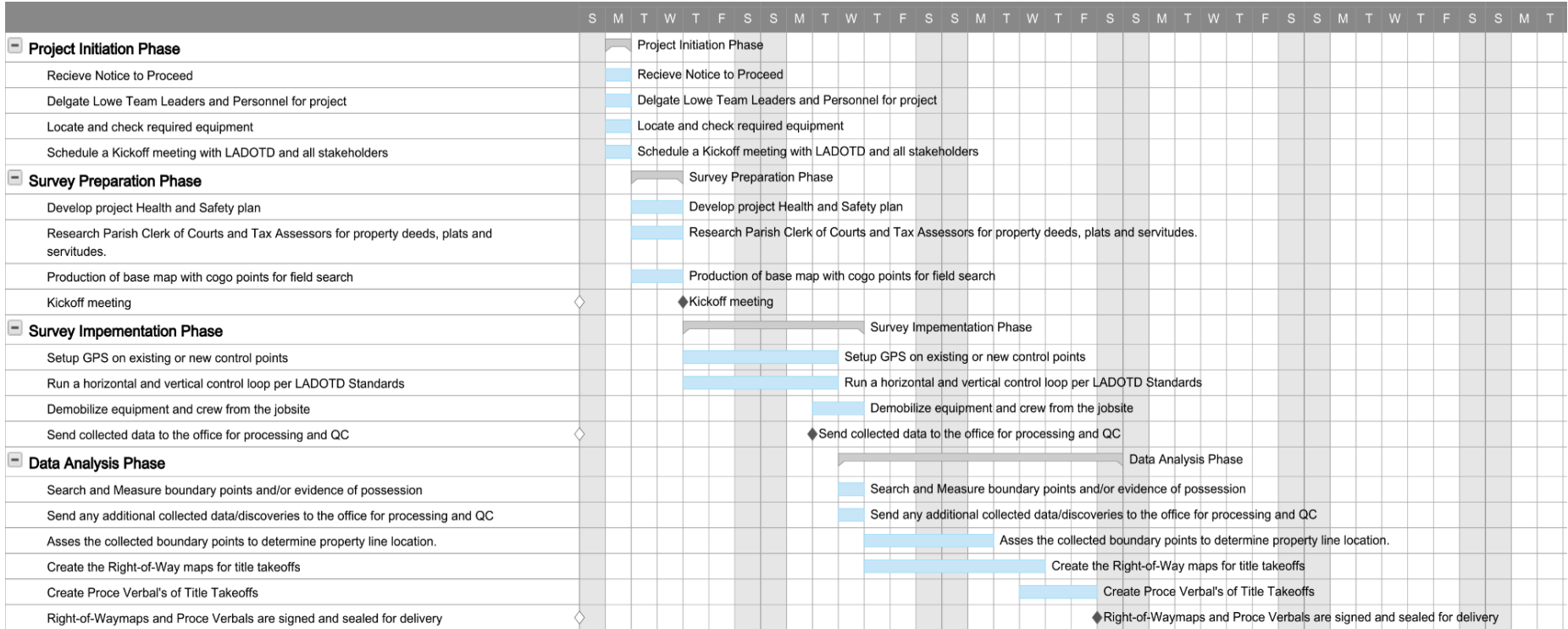


TITLE TAKE-OFFS

Lowe Engineers knows the importance of identifying the record owner of property and setting forth accurate deed of ownership reports, which may be needed for acquisition, easements, or permanent domain purposes. A property title search with the Louisiana Clerk of Court's and Tax Assessor's offices are the starting point for examining public records to confirm the property's rightful legal owner. This may also be accomplished through online searches that our title abstractors use on a regular basis. If some a State office does not provide an online portal system, a simple drive to the relevant parish office allows the abstractor to look at the original documents and make necessary copies. Using these assets, LA DOTD can be assured of property ownership, if taxes have been paid, and if there are easements affecting a property. A title search will also reveal any outstanding claims or liens on a property. Lowe has several in-house abstractors with many years of experience using several GIS portals throughout the State of Louisiana. Lowe CAD operators in Louisiana are also experienced in searching the majority of properties being surveyed.

SAMPLE WORK PLAN

The following plan outlines key tasks and objectives that guide our team throughout a project's lifecycle. Through our experience we have learned how to efficiently manage our work to ensure efficiency, accuracy, and timely completion.



EQUIPMENT AND SOFTWARE

Lowe is well-equipped with a comprehensive array of surveying instruments and tools. Our state-of-the-art equipment, combined with our experienced surveying team, enable us to provide accurate and reliable data for our project, ensuring its success. Lowe CAD technicians and Professional Land Surveyors are proficient in the use of many CAD platforms. As with most transportation projects, the Microstation software allows for many aspects to be automated from field to finish requiring less user input and processing to go from a processed raw file into a finished 3D user-defined deliverable. Open Roads and Inroads are design software our technicians have years of experience developing their skills within. Other software programs we use are AutoCAD, Pix4D, and TopoDOT, to name a few. There are others such as Global Mapper and Leica Cyclone that we use to process point cloud files.

19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and where **a)** the consultant selection was made by DOTD, and **b)** a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

- 1) one of the team’s firms is responsible for the performance of the work;
- 2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
- 3) the work has not yet been performed and invoiced; and
- 4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.

List only the portion of the fees attributable to firms on the team.

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Lowe Engineers, LLC	N/A	N/A	N/A	N/A

DO NOT SUM

* The **only** past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify). If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

** Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. NOTE: ALL FIRMS MUST BE REPRESENTED IN THIS TABLE. LEAVING THE “REMAINING UNPAID BALANCE” COLUMN BLANK IS NOT ACCEPTABLE.

20. Certifications/Licenses:

If the advertisement requires submission of licenses and/or certificates, include them here. **Otherwise, leave this section blank.**

21. QA/QC Plan:

If the advertisement requires submission of a QA/QC plan, include it here. **Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted.**

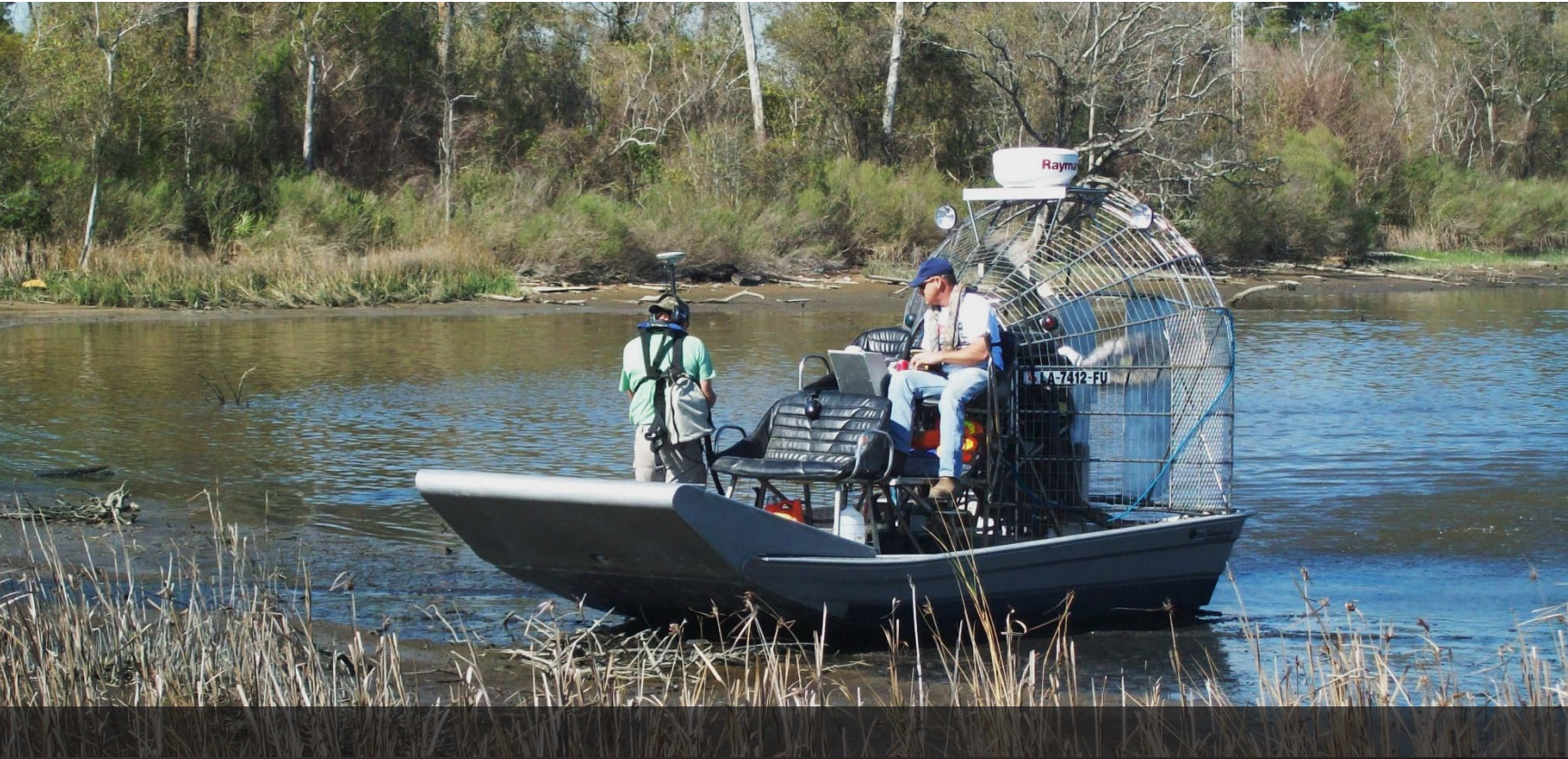
22. Sub-consultant information:

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number

23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the advertisement.**



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ENGINEERS

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